

Letters

Comments on "X-Band 0.5, 1, and 2 Watt Power Amplifiers with Marked Improvement in Power-Added Efficiency"

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Power-added efficiency results from MMIC amplifiers which were designed, fabricated, and tested based on work reported in

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the above paper¹ have caused a reassessment of measurements made in February 1989 for that work. The new MMIC amplifiers exhibited a maximum power-added efficiency of 32% in X-band at 1 watt output power. These results are significantly lower than the 53% average power-added efficiency for the 1 watt hybrid amplifiers previously reported.

In a recent experiment on one of the original hybrid amplifiers, the previous efficiency results could not be replicated or confirmed. It is prudent to assume that the earlier amplifier efficiency measurements were in error. The author regrets and apologizes for any inconvenience the reported efficiencies may have caused.

¹R. D. Boesch and J. A. Thompson *IEEE Trans. Microwave Theory Tech.*, vol. 38, pp. 707-711, June 1990.